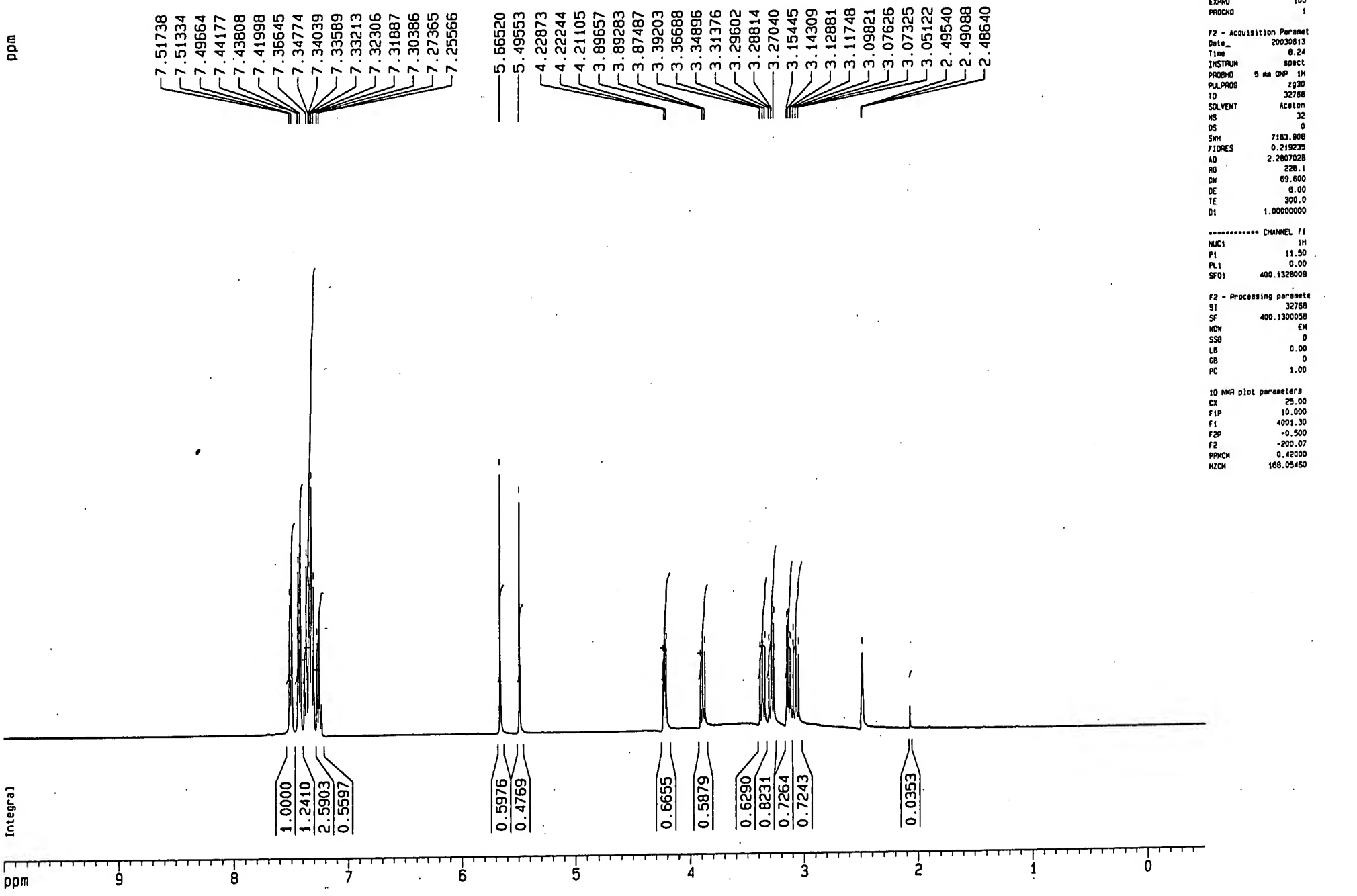
APPENDIX 1

400MHz H1



Current Data Parameters

NAME	s1
EXPNO	100
PROCNO	1

F2 - Acquisition Paramet

Date_	20030813
Time	8.24
INSTRUM	spect
PROBHD	5 mm QNP 1H
PULPROG	zg30
TD	32768
SOLVENT	Aceton
NS	32
DS	0
SWH	7183.908
FIDRES	0.219235
AQ	2.2807028
RG	228.1
DW	69.600
DE	6.00
TE	300.0
D1	1.00000000

---------- CHANNEL f1

NUC1	1H
P1	11.50
PL1	0.00
SFO1	400.1328009

F2 - Processing paramete

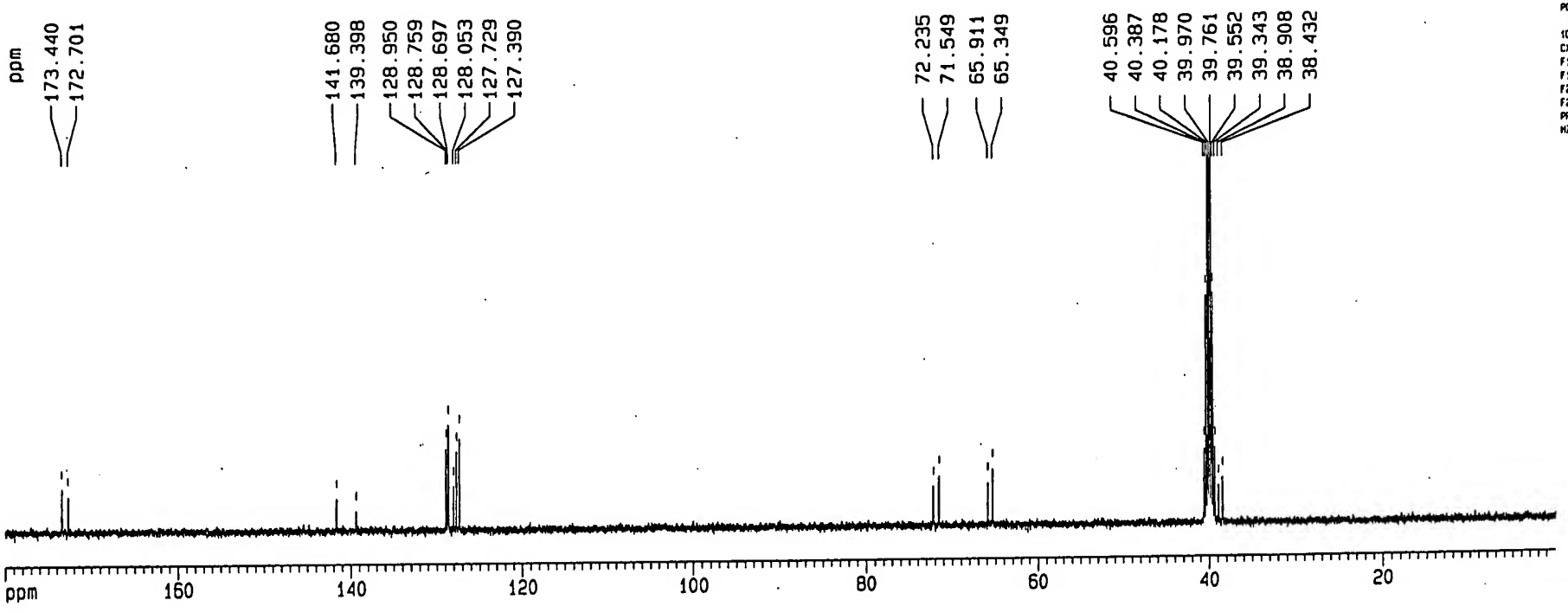
SI	32768
SF	400.1300058
WDW	EM
SSB	0
LB	0.00
GB	0
PC	1.00

1D NMR plot parameters

CX	25.00
F1P	10.000
F1	4001.30
F2P	-0.500
F2	-200.07
PPMCM	0.42000
HZCM	168.05460

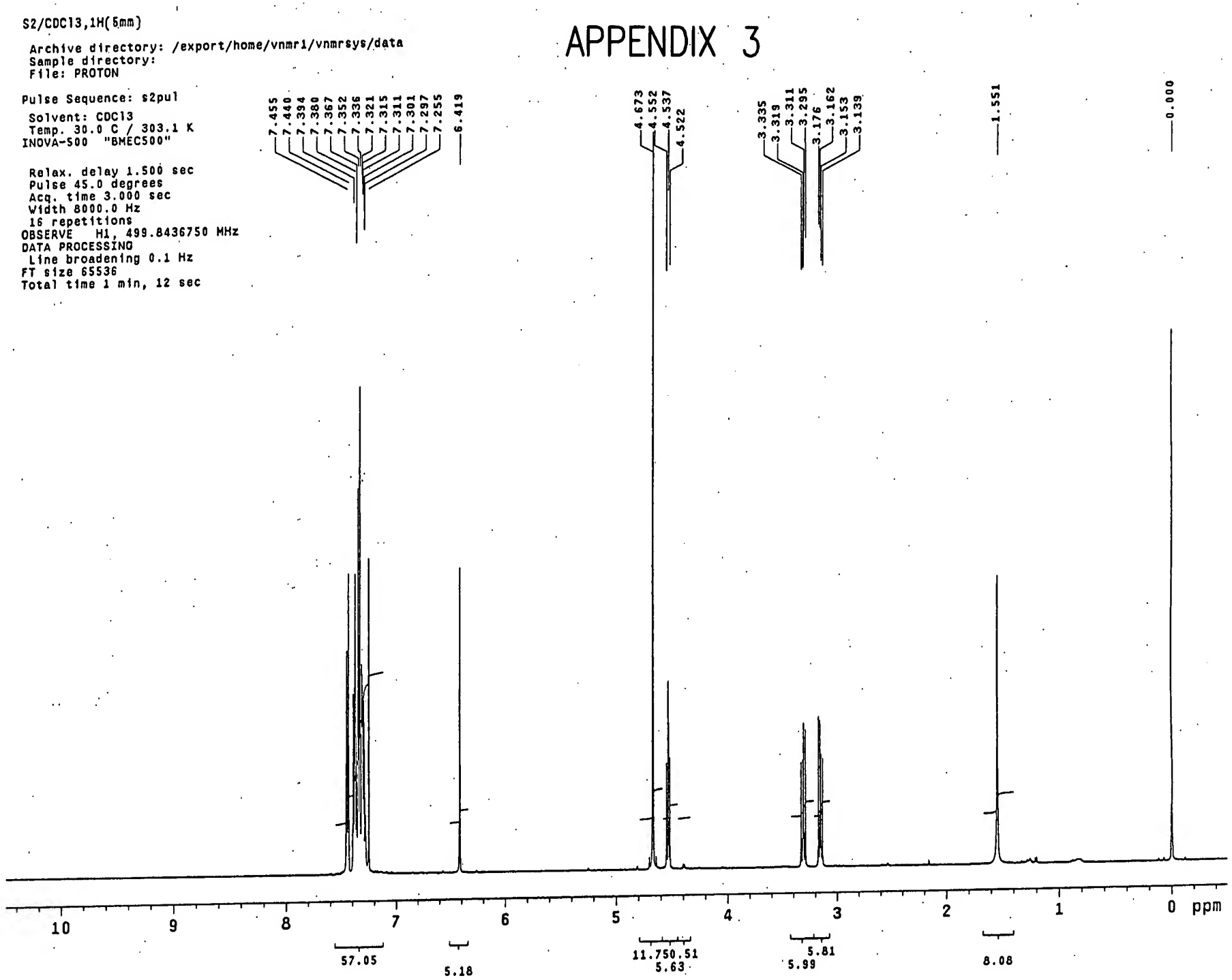
APPENDIX 2

400MHz C13 (250p to -10p)

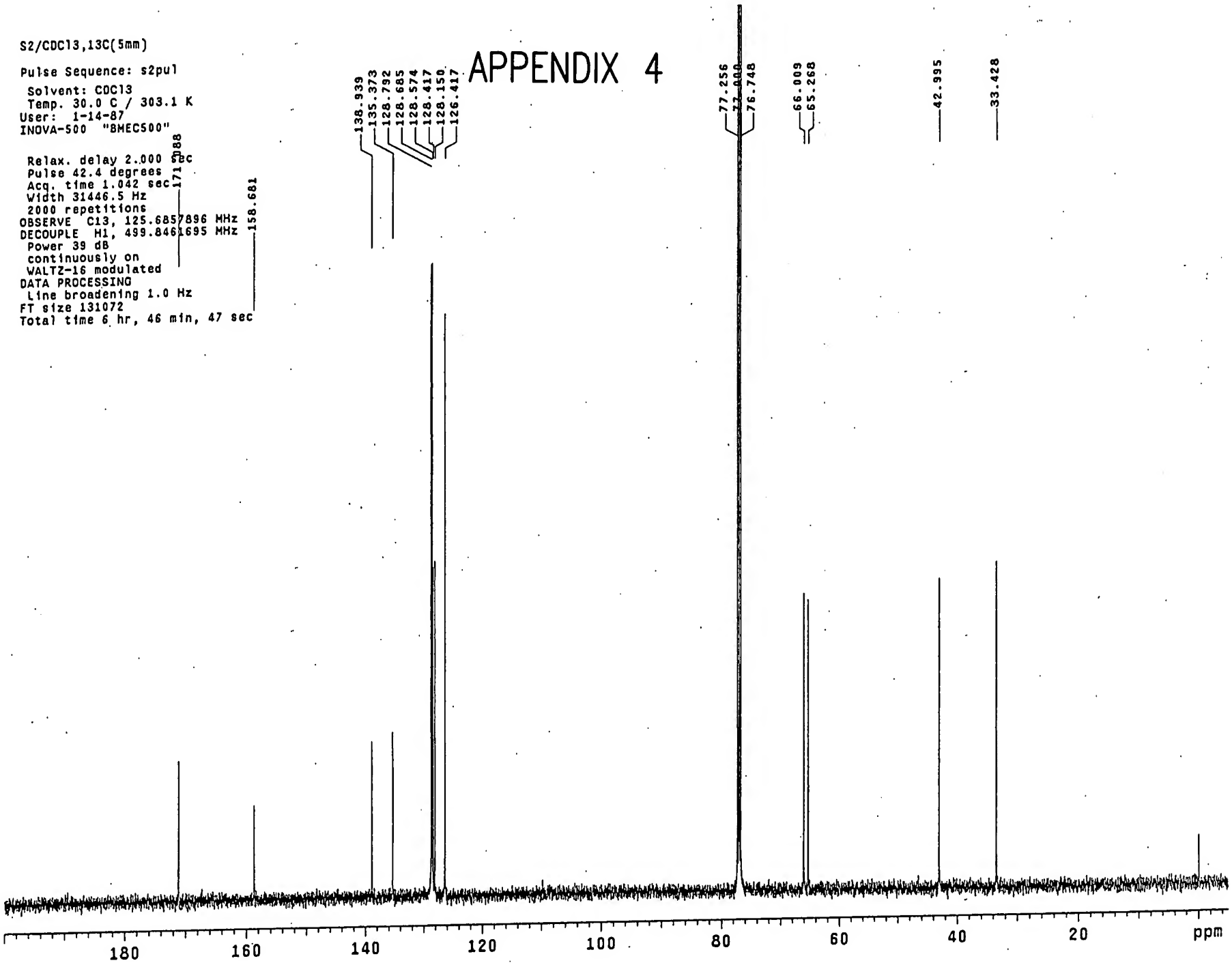



```
Current Data Parameters
NAME                 clc-kao-s1
EXPNO                       400
PROCNO                        2

F2 - Acquisition Paramet
Date_               20030618
Time                    13.27
INSTRUM                 spect
PROBHD     5 mm QNP  1H
PULPROG                 zgpg30
TD                       65536
SOLVENT                  CDCl3
NS                         176
DS                           2
SWH                  26178.010
FIRES                0.399445
AQ                   1.2517675
RG                     20642.5
DW                      19.100
DE                      10.00
TE                      300.0
D1                   2.00000000
d11                  0.03000000
d12                  0.00002000

------------ CHANNEL f1
NUC1                       13C
P1                        9.50
PL1                      -3.00
SFO1                100.6248025

------------ CHANNEL f2
CPDPRG2                waltz16
NUC2                        1H
PCPD2                     88.00
PL2                      120.00
PL12                      16.00
PL13                      22.00
SFO2                400.1318005

F2 - Processing paramete
SI                         32768
SF                  100.6127695
WDW                         EM
SSB                          0
LB                        1.00
GB                           0
PC                        0.80

1D NMR plot parameters
CX                          25.00
F1P                       180.000
F1                      18110.30
F2P                       0.000
F2                         0.00
PPMCM                   7.20000
HZCM                  724.41187
```

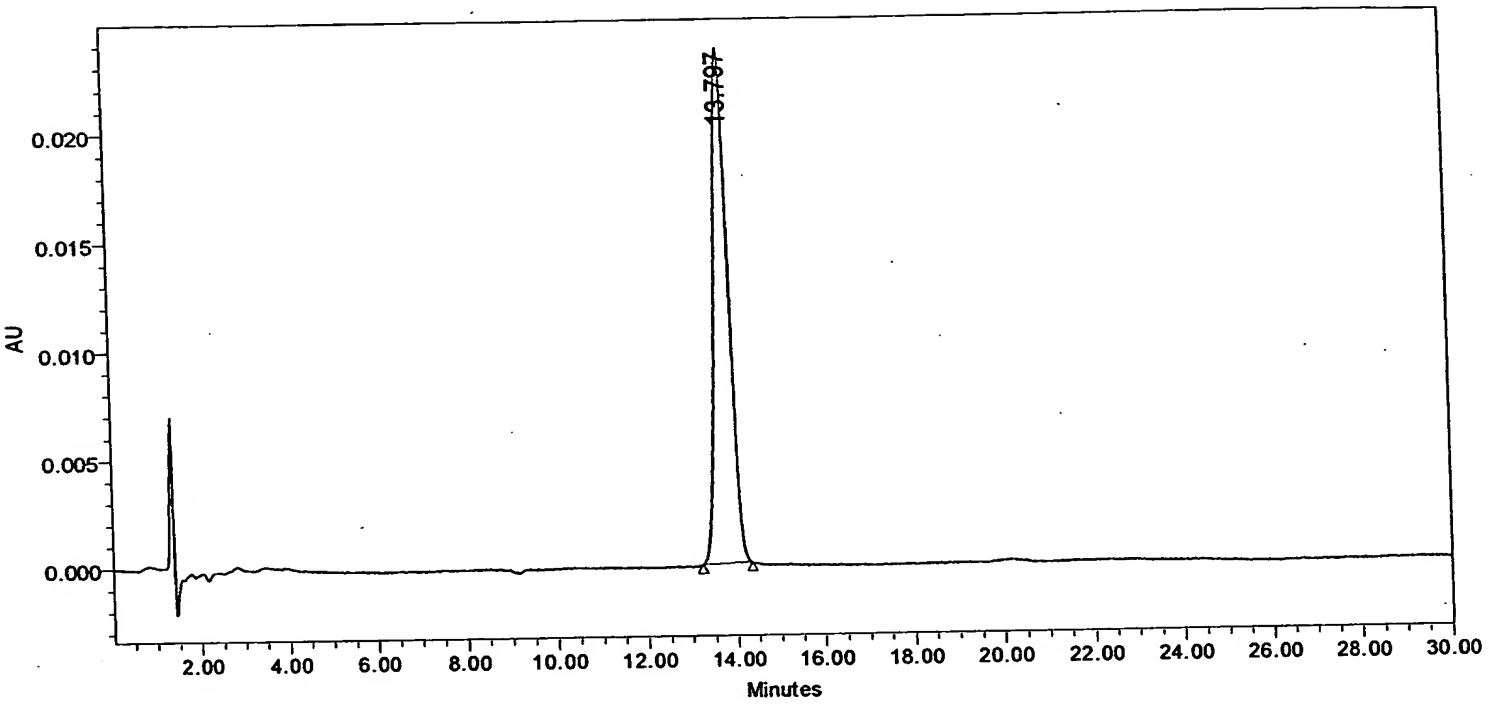
APPENDIX 3


S2/CDCl3,1H(5mm)
Archive directory: /export/home/vnmr1/vnmrsys/data
Sample directory:
File: PROTON
Pulse Sequence: s2pul
Solvent: CDCl3
Temp. 30.0 C / 303.1 K
INOVA-500 "BMEC500"
Relax. delay 1.500 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
16 repetitions
OBSERVE H1, 499.8436750 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 65536
Total time 1 min, 12 sec
7.455
7.440
7.394
7.380
7.367
7.352
7.336
7.321
7.315
7.311
7.301
7.297
7.255
6.419
4.673
4.552
4.537
4.522
3.335
3.319
3.311
3.295
3.176
3.162
3.153
3.139
1.551
0.000
10
9
8
7
6
5
4
3
2
1
0 ppm
57.05
5.18
11.75
0.51
5.63
5.81
5.99
8.08

APPENDIX 4


S2/CDCl3,13C(5mm)
Pulse Sequence: s2pul
Solvent: CDCl3
Temp. 30.0 C / 303.1 K
User: 1-14-87
INOVA-500 "BMEC500"
Relax. delay 2.000 sec
Pulse 42.4 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
2000 repetitions
OBSERVE C13, 125.6857896 MHz
DECOUPLE H1, 499.8461695 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 131072
Total time 6 hr, 46 min, 47 sec
171.088
158.681
138.939
135.373
128.792
128.685
128.574
128.417
128.150
126.417
77.256
77.000
76.748
66.009
65.268
42.995
33.428
180
160
140
120
100
80
60
40
20
ppm

APPENDIX 5



	RT	Area	% Area	Height
1	13.797	556442	100.00	23734

Analytical condition

HPLC Type:
Pump : Waters 600E
Detector : Waters 2996 Photodiode Array Detector
Autosampler: Waters 717 plus
Mobile phase : 1% TEA, pH7.5 / MeOH = 40 / 60
Flow rate : 1.0 mL/min
Column : Inertsil 5 ODS-80A, 3.2*250-mm
Column Oven : 40C
Wavelength : 254 nm